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ACCESSION NBR: 9301220236      DOC. DATE: 93/01/14      NOTARIZED: NO      DOCKET #  
 FACIL: 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
 AUTH. NAME: SAGER, D.A.      AUTHOR AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME:      RECIPIENT AFFILIATION: Document Control Branch (Document Control Desk)

SUBJECT: NPDES noncompliance notification: on 921221, chemical feed tank inadvertently discharged through drain left in open position, resulting in release of approx 20 gallons of Amerzine to west storm pond. Personnel counseled.

DISTRIBUTION CODE: IE23D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 3  
 TITLE: Environmental Event Report (per Tech Specs)

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January 14, 1993

L-93-11  
10 CFR 50.36b  
EPP 5.4.2

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555

Re: St. Lucie Unit 2  
Docket No. 50-389  
Environmental Protection Plan Report  
Date of Event: December 22, 1992  
Non-Routine Environmental Report

The attached report is being submitted pursuant to the requirements of Section 5.4.2 of the St. Lucie Unit 2 Environmental Protection Plan. The attached provides a description of a reportable hydrazine release to the on-site stormwater basin at the St. Lucie Plant.

Should there be any questions on this information, please contact us.

Very truly yours,

*D.A. SAGER*

*By H.G. Bossy*  
D. A. Sager  
Vice President  
St. Lucie Plant

DAS/JJB/kw

Enclosure

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

DAS/PSL #843-93

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January 11, 1993

Mr. Terry Davis  
Florida Department of Environmental Regulations  
Southeast District, Port St. Lucie Office  
1801 S.E. Hilmoor Drive  
Suite C-204  
Port St. Lucie, Florida 34952

Re: **Hydrazine Release**  
**St. Lucie Plant**

Dear Mr. Davis:

As a follow-up to our December 22, 1992 verbal report to your office for the subject release, this written follow-up is provided as you requested. The St. Lucie Plant utilizes Amerzine (35% hydrazine) as an oxygen scavenger in the plant's closed cycle steam-water system. The Amerzine is fed into the system by pumping from a small chemical feed tank. On December 21, 1992, plant operations personnel were returning the chemical feed system for Unit 2 to service after chemical feed pump maintenance. As a part of returning the chemical feed system to service, several valves must be aligned to proper operating configuration. When the chemical feed system was returned to service, one of the valves was incorrectly left in an open position. This allowed the chemical feed tank to inadvertently discharge through a drain line, which normally has an end-cap, into a floordrain. Aqueous Amerzine solution from the feed tank flowed into the floordrain system, which is designed to convey stormwater and equipment washdown water to the onsite West Storm Pond, an evaporation/percolation pond which has no surface water outfall.

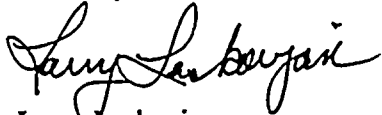
Approximately 20 gallons of aqueous Amerzine solution containing approximately 70 lbs of hydrazine was released to the floordrain system and was subsequently released to the West Storm Pond. Since the CERCLA RQ for hydrazine is one (1) pound, the release was immediately reported to the National Response Center. The Southeast District DER office was also immediately notified. The release was also reported to the State Emergency Response Commission and the Local Emergency Planning Committee as a courtesy. Reporting to the SERC and LEPC were not required by SARA Title III since FPL does not believe that there was any offsite release of hydrazine.

The release did not result in any onsite or offsite health or safety impacts, and no emergency response and/or clean-up activities were required, particularly since hydrazine reacts relatively rapidly with oxygen and thus is not environmentally persistent for any significant period of time.

Immediate corrective actions to prevent recurrence were to counsel plant personnel to check all valve alignments against approved engineering drawings to ensure proper valve configuration and to notify the Chemistry Department prior to doing valve line-ups on the chemical feed system. Further, caps on the chemical feed system drain lines have been secured in a manner which will preclude inadvertent removal. Longer range corrective actions will include the installation of secondary containment and a sealing of floor drains in the chemical feed tank area.

If there are any questions, please direct them to Alan Benedict at 407-625-7612.

Sincerely,

A handwritten signature in cursive script that reads "Larry Leskovjan".

Larry Leskovjan  
Manager  
Hazardous Substances Regulation

LLL:ku

cc: Eve Rainey - SERC  
Bruce Pisani - District 10 LEPC

